Education Division
Business Meeting

Join us. Just $7 per year.
Tuesday, October 30, 2018
One Mission...

The mission of this Division shall be the education of chemical engineers as it pertains to educational research, scholarly teaching, and broader endeavors encompassing education, such as the Division’s programming.
Today's course objectives:

Information dissemination

Openness to questions and discussion

New business
Who are we?

Executive Committee 2018-2019
Matt Liberatore, Chair
Ben Davis, 1st Vice-Chair
Daniel Lepek, 2nd Vice Chair
Taryn Bayles, Past Chair
Katie Cadwell, Secretary-Treasurer

Board Members
Polly Piergirovanni, Director, 2016-2018
Dan Burkey, Director, 2017-2019
Priscilla Hill, Director, 2018-2020
Kristine Chin, Institute Liaison (AIChE Director of Conferences)
Division Board of Directors (9 total members)

Executive Committee (5 members)
Chair  1st Vice Chair  2nd Vice Chair
Secretary/Treasurer  Past Chair

Director1  Director2  Director3
Institute Liaison

Committees (6)
Who we will be...Election Results

New Director Shannon Ciston (2019-2021)
Bylaws update unanimously approved
   Added 4th director, 4 year director terms, no even year elections

38 votes cast in final even year election

Next election to be held in 2019 with many openings

Thanks to Taryn Bayles + Nominating Committee
Announcements of interest to Ed Div members

– Division business
– Faculty postings (especially teaching-focused)
– Calls for participation (surveys, studies)
– Relevant calls for submission

Submit announcements to Katie Cadwell (kdcadwel@syr.edu)

Submission deadline end of month
# Finances: Looking back on 2017-18

## Fund balance in March:

<table>
<thead>
<tr>
<th>Year</th>
<th>Balance</th>
</tr>
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<tbody>
<tr>
<td>2015</td>
<td>$8,100</td>
</tr>
<tr>
<td>2016</td>
<td>$10,000</td>
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<tr>
<td>2017</td>
<td>$10,400</td>
</tr>
<tr>
<td>2018</td>
<td>$10,600</td>
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## Revenue sources:
- Dues, banquet fees, award sponsorship, interest

## Expenses:
- Banquet (net neutral), Awards, Domain registration fee, Communication, Mentor/mentee food

Katie Cadwell: kdcadwel@syr.edu
673 total members (professional and student)

Professional Members (member, senior member, or fellow)
316 in 2018
86% from USA
- States with the most members: Texas (23), Michigan (20), New York (20)
- Over 105 different universities and colleges

International members from 26 different countries

Student Members
357 grad student members (41% USA/59% International)
International students primarily from India (45) and Pakistan (26)

Join by phone 1-800-242-4363 or ONLINE (use the business cards)

Christi Patton Luks, Priscilla Hill, Jonathan Verrett
Membership growing???
Ed Div Business Cards = Awesome

The Education Division's mission is the education of chemical engineers.

Join the Education Division
$7 per year

Goal: At least 1 member in every ABET accredited department
Benefits of Ed Div Membership

Networking in sessions at the Annual Meeting and the Education Division Dinner

Learning new education approaches through sessions and webinars

Impacting the chemical engineering education community through presentations and programming at Annual Meeting sessions, course surveys, and the AIChe Education Division Concept Warehouse

Encouraging the development of future faculty through the Future Faculty Mentoring Program

Supporting the recognition of engineering education excellence through awards

Serving as division session chairs and officers and volunteering for other division activities to develop leadership skills

Open to feedback and continuous improvement
Thank you to our ~50 session chairs and moderators!

We had 75 papers accepted to oral sessions, 32 invited talks, and 20 posters! (127 vs. 101 in 2017)

23 sponsored sessions + 12 co-sponsored sessions

Great sessions remain tomorrow
Looking ahead to 2019

2019 Spring Meeting & 15th Global Congress on Process Safety
March 31st to April 4th in NO, LA
Ed Div will not offer programming

2019 Annual Meeting
November 10th to 15th in Orlando, FL
If interested in chairing a session, contact Ben: bdavis@cooper.edu

Programming meeting was earlier today
Attend Tomorrow’s Program!

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>AM</td>
<td>Department Heads Forum (Invited Talks)</td>
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<tr>
<td>AM</td>
<td>Teaching Communication Skills to Engineers (Written, Oral, Data Visualization)</td>
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<tr>
<td>AM</td>
<td>Young Faculty Forum (Invited Talks)</td>
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<tr>
<td>Lunch</td>
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<tr>
<td>PM1</td>
<td>ABET Updates and Insights (Invited Talks)</td>
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<tr>
<td>PM1</td>
<td>NSF Workshop I: Highlights from CBET</td>
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<tr>
<td>PM1</td>
<td>Workshop: Teaching Design (Products, Processes, and Ind. Inv.)</td>
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<tr>
<td>PM2</td>
<td>Free Forum on Engineering Education: Graduate Students</td>
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<tr>
<td>PM2</td>
<td>NSF Workshop II: Proposal Writing and Discussions with Program Managers</td>
</tr>
<tr>
<td>PM2</td>
<td>Survey Results and Best Practices (Invited Talks)</td>
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2018-19 Survey = Thermodynamics (80+ programs responding)
Presentation Wednesday 10/31 afternoon (3:30 in room 405)

Partnered with NAE on a small “separations” survey (SU 2018)
In discussion with CACHE on partnership on upcoming computing survey

2019-20 Survey Potential Topics:
10 year anniversary of the reincorporated survey committee!
Considering a separate survey on Fluid Mechanics or Heat Transfer or Mass Transfer (in addition to the previous “transport” survey).
Foresee on the horizon looping back to our first topic (1st year ChemE).

Jennifer Cole, Kevin Dahm (co-chair), Laura Ford, Lucas Landherr, David Silverstein, Margot Vigeant (co-chair), Christy West
New AIChE-wide K-12 Outreach Committee to be established in upcoming year

Monthly conference calls start in January

Supports all K-12 efforts, and be a central resource and repository for K-12 activities by other committees and divisions

Will lead/organize several K-12 events for AIChE each year

Including the K-12 Outreach Module Competition, to launch at the 2019 Annual Meeting

Seeking committee members, including those interested in leadership positions

Including Education Division liaison

If interested in contributing in any form, contact l.landherr@northeastern.edu

Lucas Landherr, Matt Cooper, Kenny Minneart
Future Faculty Mentoring Program

Mentees: Advertised to the Meet the Faculty Candidate pool
  – 54 applicants (34 last year)

Mentors: Advertised to Ed Div, Dept. Chairs, Women’s Initiatives Committee, and past mentor/mentees
  – 27 mentor/junior mentor applicants (10 last year)
  – 6 Female Mentors/Junior Mentors

Will continue to use triad model this year
  – Mentor + Junior Mentor + Mentee

Initial meeting was on Sunday evening

2018-2019 Cohort: 18 Mentees (down from 19), 19 mentors, 10 junior mentors

Observations:
  – Back to 1:1 mentor/mentee ratio;
  – More applicants = more mentors needed – additional recruiting ideas?
  – Focus on ChemE candidates? Candidates from outside ChemE Dept. but who want to work in ChemE Dept.

Don Visco, Dan Burkey
Web page cleaned up

Matthew Liberatore, Katie Cadwell
More Ed Div Webinars

6 completed to date (2 in 2018)
  Live attendance 10-35/session
  4 Recordings watched ~35 total times

Archived at aiche.org/academy

Always free for Ed Div members

Looking for volunteers (please contact lepek@cooper.edu if you are interested!)

Daniel Lepek, Patrick Abulencia
Always free for members

Game-based Learning
March 13, 2018

Academic Integrity
April 26, 2018

New: Food/Thanksgiving!
November 20, 2018

www.aiche.org/academy Check EDU under source on left menu
All 3 awards given in 2018

Award for Excellence in Engineering Education Research
Milo Koretsky

Award for Service to Chemical Engineering Education
Laura Ford

Award for Innovation in Chemical Engineering Education
Lucas Landherr

Polly Piergiovanni, Daniel Lepek, Taryn Bayles, Tony Butterfield
2 of 3 awards sponsored in 2018

Education Division Award for Excellence in Engineering Education Research

Chemstations

Education Division Award for Innovation in Chemical Engineering Education

zyBooks
Special call out for programs in the following areas:

- STEM outreach
- Diversity & Inclusion
- Education
- Technical Innovation
- Localized Activities
- Collaborative Programming and Community Partnerships

2018 Project Reports:

Due December 11\textsuperscript{th} 

([https://chenected.wufoo.com/forms/m1ox43691jp8iki/](https://chenected.wufoo.com/forms/m1ox43691jp8iki/))

Story telling (photos, videos, testimonials, etc.)
2019 First Cycle of Funding

October 1  Cycle opens for proposal submissions
December 1  Submission deadline for grant proposals
February 2  Announcement of grants funded

Proposal Submissions:
https://aiche.formstack.com/forms/aiche_foundation_funding_proposal_submission_form

Successful proposals
✓ Support the Foundation “Doing a World of Good” transformative priorities
✓ Have been thorough reviewed with your staff liaison who will:
  o Check new business eligibility and coordinate review
  o Collect endorsement letter from Operating Council leadership & AIChe executive leadership
  o Review and verify program resource estimates, staff labor hours, honorarium fees, reception costs, etc.
  o Answer your questions and guide you through the proposal development process
✓ Document previous program impact (photos, videos, testimonials, etc.)
Special Thanks

Outgoing Division Director Polly Piergiovanni
New Business

The floor is open
Please Join Us for the Ed Div Dinner!

Ticketed event
Immediately after this Business Meeting we will leave as a group
Venue is about a 10 min walk (0.5 mile):
  Lidia’s Italian
  1400 Smallman St
  Pittsburgh, PA 15222